

and arranged so as to be vibrated in the Coriolis force direction with respect to said outer frame due to the Coriolis force caused by an angular velocity, and said driving monitoring unit being provided in the barycentric region of said vibrating body disposed inside said inner frame while being supported by said inner frame.

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Con'd

4. A vibrator according to claim 3, in which said Coriolis force is caused by an angular velocity of rotation around an axis having a direction perpendicular to both said driving direction and said Coriolis direction and further comprising a circuit responsive to said Coriolis force direction vibrating detecting unit for determining said angular velocity of rotation.

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